

TO THE UNITED STATES PATENT AND TRADEMARK OFFICE: PLEASE
STAMP AND RETURN THANK YOU.

Submitted:

Transmittal for Information Disclosure Statement (4 pages);
Information Disclosure Statement (9 pages);

Form PTO-1449 (5 pages);

Two (2) loose-leaf notebook containing tabulated dividers, Table of Contents, and
copies of seventy-seven (77) references;

Table of Contents (5 pages), and

Certificate of Hand Delivery (1 page)

Applicant: Gregory N. Nordgren

Serial No.: 09/542,503

Filed: April 3, 2000

For: CATHETER WITH VALVED DISTAL TIP

Hand Delivered: January 9, 2001

Docket No. 2408.377SUS

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: _____
Gregory N. Nordgren _____
For: CATHETER WITH VALVED DISTAL TIP _____
Serial No.: 09/542,503 _____
Filing Date: April 3, 2000 _____
Examiner: Anh Tuan Nguyen _____

TRANSMITTAL FOR INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
United States Patent and Trademark Office
Washington, D.C. 20231

Sir:

Transmitted herewith pursuant to 37 C.F.R. §1.97 for filing relative to the above-captioned United States patent application is an Information Disclosure Statement, which includes the following statements, if any, required variously by 37 C.F.R. §1.98:

- Statement of relevance of selected cited references not in the English language which are not translated.
- Statement that selected cited references are substantially cumulative of an enclosed or previously submitted reference.
- Statement that selected cited references were previously cited by or submitted to the United States Patent and Trademark Office in a prior application which is relied upon for an earlier filing date under 35 U.S.C. §120.

- The submission fee set forth in 37 C.F.R. §1.17 (p) in the amount of \$240.00 is one (1) of the following:
- Enclosed in the form of Check No. _____; or
 - To be paid from the deposit account of the undersigned as authorized in Section C below.
- III. — After the mailing of a final Office Action or a Notice of Allowance, but before payment of the Issue Fee. Accordingly, in order to secure consideration thereof, each of the following are also enclosed or authorized:
- Promptness Certificate;
 - Petition for Consideration; and
 - The petition fee set forth in 37 C.F.R. §1.17(i)(l) in the amount of \$130.00 is one (1) of the following:
- Enclosed in the form of Check No. _____; or
- To be paid from the deposit account of the undersigned as authorized in Section C below.
- IV. — After payment of the Issue Fee. Accordingly, in order to secure consideration thereof in a continuation application, no Information Disclosure Statement, no Form PTO-1449, and no copies of references are enclosed. Instead, each of the following are enclosed or authorized:
- Petition to Withdraw from Issue; and
 - The petition fee set forth in 37 C.F.R. §1.17(i)(l) in the amount of \$130.00 is one (1) of the following:
- Enclosed in the form of Check No. _____; or
- To be paid from the deposit account of the undersigned as authorized in Section C below.

A. Additional Materials Required Due to Content of Information Disclosure Statement

Transmitted are the following documents in addition to the Information Disclosure Statement as required variously under 37 C.F.R. §1.98:

- Form PTO-1449 listing seventy-seven (77) references submitted for consideration.
 - Copies of seventy-seven (77) of the references listed on the Form PTO-1449. The references are compiled in a set of two (2) loose-leaf notebooks numerically tabulated to correspond to the reference number of each in the above-mentioned Form PTO-1449. The notebooks include a Table of Contents for the entire set of references.
 - Specimens constituting _____ () of the references listed on the Form PTO-1449.
 - English translations of three (3) of the references listed on the Form PTO-1449 which are not in the English language.
 - Copies of the following documents from the prosecution of a previous, related application:
 - Form PTO-1449 initiated by the Examiner; and
 - Form PTO-892
- B. Additional Materials Required Due to Timing of Filing of Information Disclosure Statement
- The transmitted Information Disclosure Statement is being filed within one (1) of the following four (4) time periods:
- I. Prior to the later of either three (3) months following the filing date or the mailing of a first Office Action, as confirmed in a telephone conference conducted by the undersigned on January 17, 2001, with the Technical Center 3700 Customer Service Desk. Accordingly, no materials other than those listed above are enclosed.
 - II. Following the later of either three (3) months following the filing date or the mailing of a first Office Action, but before the mailing of a final Office Action or a Notice of Allowance. Accordingly, to secure consideration thereof, one (1) of the following is also enclosed or authorized:
 - Promptness Certificate; or

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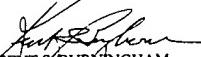
C. Fees

The Commissioner is hereby authorized to charge payment of or any deficiency in the following fees associated with this communication, or to credit any overpayment thereof, to Deposit Account No. 20-1469.

- Any fee required in relation to filing of this letter or any documents transmitted therewith.
- The submission fee set forth in 37 C.F.R. §1.17(p) in the event that 37 C.F.R. §1.97(c) applies and the Examiner is not satisfied that any Promptness Certificate submitted meets the requirements of 37 C.F.R. §1.97(e)
- The submission fee set forth in 37 C.F.R. §1.17(p).
- The petition fee set forth in 37 C.F.R. §1.17(i)(l).
- Copies in duplicate of this letter are enclosed.

DATED this 18th day of January, 2001.

Respectfully submitted,


KENT S. BIRMINGHAM
Attorney for Applicant
Registration No. 30,453

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Salt Lake City, Utah 84102 USA
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KSB/jml
N:\2408\3775US\IDS-82.wpd

Docket: 2408.3775US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
)
)
)
)
For: CATHETER WITH VALVED DISTAL TIP) Art Unit
) 3763
Serial No.: 09/542,503)
)
Filing Date: April 3, 2000)
)
Examiner: Anh Tuan Nguyen)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
United States Patent and Trademark Office
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98(a)(1), transmitted herewith is a Form PTO-1449 containing a list of all patents, publications, or other references that have come to the attention of one or more of the individuals identified in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. § 102 or § 103, the transmitted list of references is disclosed in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56.

No representation is made that a specific search of office files or Patent Office records has been conducted, or that no better art exists. Nevertheless, the undersigned attorney of record

believes that the transmitted references constitute art that is the closest to the claimed invention taken in its entirety of which the undersigned is presently aware, and no art which is closer to the claimed invention taken in its entirety has been knowingly withheld.

The references listed on the transmitted Form PTO-1449 are below classified for the convenience of the Examiner in one of the following categories of references set forth for differing treatment in accordance with the subsections of 37 C.F.R. §1.98.

I. NEWLY CITED ENGLISH LANGUAGE REFERENCES

The following of the references listed on the transmitted Form PTO-1449 are in the English language and have not to the knowledge of the undersigned attorney been previously submitted to or cited by the United States Patent and Trademark Office:

I. United States Patent Documents

Patent No.	Issue Date	Patentee
1,719,428	07/02/29	Friedman
2,393,033	01/15/46	Ellinwood
2,616,429	11/04/52	Merenlender
3,020,913	02/13/62	Heyer
3,111,125	11/19/63	Schulte
3,131,712	05/05/64	Risley et al.
3,303,846	02/14/67	Ogle
3,525,357	08/25/70	Koreski
3,654,932	04/11/72	Newkirk et al.
3,733,126	05/22/73	Weaver

(continued)

-2-

I. United States Patent Documents (continued)

Patent No.	Issue Date	Patentee
3,799,172	03/26/74	Szpur
3,865,666	02/11/75	Shoney
3,885,561	05/27/75	Cami
3,888,249	06/10/75	Spencer
3,995,617	12/07/76	Watkins et al.
4,003,398	01/18/77	Duveau
4,029,104	06/14/77	Kerber
4,143,853	03/13/79	Abramson
4,240,434	12/23/80	Newkirk
4,327,722	05/04/82	Groshong et al.
4,341,239	07/27/82	Atkinson
4,431,426	02/14/84	Groshong et al.
4,434,810	03/06/84	Atkinson
4,475,898	10/09/84	Brodner et al.
4,529,399	07/16/85	Groshong et al.
4,549,879	10/29/85	Groshong et al.
4,559,046	12/17/85	Groshong et al.
4,601,697	07/22/86	Mammolenti et al.
4,657,536	04/14/87	Dorman
4,671,796	06/09/87	Groshong et al.
4,685,905	08/11/87	Jeanneret nee Aab
4,701,166	10/20/87	Groshong et al.
4,737,152	04/12/88	Alchas

(continued)

I. United States Patent Documents (continued)

Patent No.	Issue Date	Patentee
4,753,640	06/28/88	Nichols et al.
4,973,319	11/27/90	Melsky
4,995,863	02/26/91	Nichols et al.
5,000,745	03/19/91	Guest et al.
5,004,455	04/02/91	Greenwood et al.
5,030,210	07/09/91	Alchas
5,084,015	01/28/92	Moriuchi
5,085,635	02/04/92	Cragg
5,112,301	05/12/92	Fenton, Jr. et al.
5,147,318	09/15/92	Hohn
5,147,332	09/15/92	Moorehead
5,160,325	11/03/92	Nichols et al.
5,163,921	11/17/92	Feiring
5,180,364	01/19/93	Ginsburg
5,190,524	03/02/93	Wex
5,215,527	06/01/93	Beck et al.
5,224,938	07/06/93	Fenton, Jr.
5,250,034	10/05/93	Appling et al.
5,261,885	11/16/93	Lui
5,267,979	12/07/93	Appling et al.
5,290,263	03/01/94	Wigness et al.
5,304,155	04/19/94	Lui
5,522,807	06/04/96	Luther

(continued)

I. United States Patent Documents (continued)

<u>Patent No.</u>	<u>Issue Date</u>	<u>Patentee</u>
5,554,136	09/10/96	Luther
5,573,509	11/12/96	Thornton
5,738,666	04/14/98	Watson et al.
5,776,096	07/07/98	Fields
5,800,411	09/01/98	Nakada et al.
5,807,348	09/15/98	Zinger et al.
5,807,349	09/15/98	Person et al.
5,807,356	09/15/98	Finch, Jr. et al.
5,814,024	09/29/98	Thompson et al.
5,928,203	07/27/99	Davey et al.
5,984,903	11/16/99	Nadal
6,120,483	09/19/00	Davey et al.

III. Other References

-- none --

Pursuant to 37 C.F.R. §1.98(a)(2), a copy of each of the above-listed references is enclosed.

II. NEWLY CITED UNTRANSLATED REFERENCES NOT IN THE ENGLISH LANGUAGE

The following of the references listed on the transmitted Form PTO-1449 is not in the English language and has not to the knowledge of the undersigned attorney been previously submitted to or cited by the United States Patent and Trademark Office.

No English-language translation of the following references is, however, within the custody or confine or is readily available to any individual designated in 37 C.F.R. § 1.56(c).

Accordingly, pursuant to 37 C.F.R. §1.98(a)(2), a copy of the reference is enclosed, and a concise explanation of the understood relevance thereof is also provided below:

German Patent Publication No. 3,724,978 to Hans Imhof. The English abstract attached as the last page of this reference indicates that the reference discloses a catheter provided with a one-way check valve 2 at the distal end thereof. Check valve 2 is comprised of an elastic material configured as a cylindrical sleeve with one closed hemispherical tip. The opposite end of check valve 2 is secured to the exterior of the distal end of a catheter tube 1. A slit 12 through the hemispherical tip of check valve 2 permits the infusion of fluid from the interior of catheter tube 1 to the exterior of check valve 2.

2. Foreign Patent Documents

<u>Country</u>	<u>Document Number</u>	<u>Date</u>
Europe	191,154	08/20/86
Europe	328,332	08/16/89
Europe	351,864	01/24/90
Europe	864,336	09/16/98
France	2,707,505	01/20/95
Germany	3,724,978	02/09/89
Great Britain	727,959	04/13/55
PCT	WO 80/02230	10/30/80
PCT	WO 90/09204	08/23/90

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-6-

III. COMMENT ON THE FORM IN WHICH COPIES OF THE REFERENCES ARE BEING SUBMITTED

In view of the relatively substantial number of references listed above, the actual copies of those references are being submitted in a set of two (2) loose-leaf notebooks.

In the notebooks, the references are numerically tabulated, so that the number of each is the same as the reference number for each on the accompanying form PTO-1449.

Each of the notebooks includes a Table of Contents for the entire set of references.¹

It is respectfully hoped that the above-described form in which the actual copies of the identified references are submitted will facilitate an efficient evaluation thereof.

In addition, it should be noted that among the references submitted the following are considered by the undersigned to be particularly relevant² to the general subject matter disclosed in the above-captioned application:

1. United States Patent Documents

<u>Patent No.</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Reference Identification³</u>
4,973,319	11/27/90	Melsky	A35
5,030,210	07/09/91	Alchas	A39
5,261,885	11/16/93	Lui	A52
5,304,155	04/19/94	Lui	A55
5,522,807	06/04/96	Luther	A56
5,554,136	09/10/96	Luther	A57
5,928,203	07/27/99	Davey et al.	A66
5,984,903	11/16/99	Nadal	A67

2. Foreign Patent Documents

<u>Country</u>	<u>Document Number</u>	<u>Date</u>	<u>Reference Identification³</u>
France	2,707,505	01/20/95	A73
Great Britain	727,959	04/13/55	A75

¹ For the completeness of the written record, submitted herewith is an extra copy of the Table of Contents for the notebooks separate and apart from the copies included in each of the notebooks.

² Other references may in the opinion of an Examiner be of greater relevance, depending upon the recitations of a claim relative to which patentability is being evaluated.

³ Corresponds to tab number of reference in accompanying notebooks of references.

DATED this 18th day of January, 2001.

Respectfully,


KENT S. BURNINGHAM
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KSB/jml
N:24083775uswps wpd

Docket: 2408.3775US

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents						
Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
A1	1,719,428	07/02/29	Friedman	604	105	05/21/27
A2	2,393,033	01/15/46	Elliswood	174	40	05/06/42
A3	2,616,429	11/04/52	Merenlender	128	350	08/27/51
A4	3,020,913	02/13/62	Heyer	128	350	07/15/58
A5	3,111,125	11/19/63	Schutte	128	350	11/06/61
A6	3,131,712	05/05/64	Risley et al.	137	318	05/12/60
A7	3,303,846	02/14/67	Ogle	128	218	10/08/63
A8	3,325,357	08/25/70	Koreki	137	516.11	11/18/68
A9	3,654,932	04/11/72	Newkirk et al.	128	350 V	11/26/69
A10	3,734,126	05/22/73	Weaver	137	512.15	06/16/71
A11	3,799,172	03/26/74	Szpur	138	349 R	09/25/72
A12	3,865,666	02/11/75	Shoney	156	245	05/08/73
A13	3,885,561	05/27/75	Cami	128	214	08/12/74
A14	3,888,249	06/10/75	Spencer	128	214 R	11/02/73
A15	3,995,617	12/07/76	Watkins et al.	128	1 D	05/31/72
A16	4,003,398	01/18/77	Duveau	137	512	03/17/75
A17	4,029,104	06/14/77	Kerber	128	348	03/08/76
A18	4,143,853	03/13/79	Abramson	251	149.1	07/14/77
A19	4,240,434	12/23/80	Newkirk	128	350 V	10/10/78
A20	4,327,722	03/04/82	Groshong et al.	128	214.4	08/20/79
A21	4,341,239	07/27/82	Atkinson	137	493	07/14/80
A22	4,431,426	02/14/84	Groshong et al.	604	280	10/03/80

Examiner: _____ Date Considered: _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Patent Documents						
Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
A47	5,180,364	01/19/93	Ginsburg	604	53	07/03/91
A48	5,190,524	03/02/93	Wex	604	80	02/08/91
A49	5,215,527	06/01/93	Beck et al.	604	164	12/12/91
A50	5,224,938	07/06/93	Fenton, Jr.	604	247	03/18/92
A51	5,250,034	10/05/93	Appling et al.	604	164	08/07/91
A52	5,261,885	11/16/93	Lui	604	247	07/14/92
A53	5,267,979	12/07/93	Appling et al.	604	247	07/21/92
A54	5,290,263	03/01/94	Wigness et al.	604	247	07/27/92
A55	5,304,155	04/19/94	Lui	604	247	07/12/93
A56	5,522,807	06/04/96	Luther	604	264	09/07/94
A57	5,554,136	09/10/96	Luther	604	264	02/27/95
A58	5,573,509	11/12/96	Thornton	604	102	11/22/94
A59	5,738,666	04/14/98	Watson et al.	604	264	07/10/96
A60	5,776,096	07/07/98	Fields	604	43	05/06/96
A61	5,800,411	09/01/98	Nakada et al.	604	280	09/06/96
A62	5,807,348	09/15/98	Zinger et al.	604	246	05/15/97
A63	5,807,349	09/15/98	Penson et al.	604	247	03/10/97
A64	5,807,356	09/15/98	Finch, Jr. et al.	604	284	10/04/95
A65	5,814,024	09/29/98	Thompson et al.	604	246	11/27/96
A66	5,928,203	07/27/99	Devey et al.	604	247	10/01/97
A67	5,984,903	11/16/99	Nadal	604	256	12/11/96
A68	6,120,483	09/19/00	Devey et al.	604	247	03/19/99

Examiner: _____ Date Considered: _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Patent Documents

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
A23	4,434,810	03/06/84	Atkinson	137	493	05/24/82
A24	4,475,898	10/09/84	Brodner et al.	604	9	04/26/82
A25	4,529,399	07/16/85	Groshong et al.	604	53	05/03/83
A26	4,549,879	10/29/85	Groshong et al.	604	247	05/03/83
A27	4,559,046	12/17/85	Groshong et al.	604	282	07/28/83
A28	4,601,697	07/22/86	Mammolenti et al.	604	43	12/07/84
A29	4,657,536	04/14/87	Doman	604	247	03/19/81
A30	4,671,796	06/09/87	Groshong et al.	604	247	10/25/85
A31	4,685,905	08/11/87	Jeanmeret ne Asb	604	247	05/19/86
A32	4,701,166	10/20/87	Groshong et al.	604	247	10/02/86
A33	4,737,152	04/12/88	Aichas	604	256	07/02/86
A34	4,753,640	06/28/88	Nichols et al.	604	247	10/05/86
A35	4,973,319	11/27/90	Melzky	604	247	05/10/89
A36	4,995,863	02/26/91	Nichols et al.	604	247	02/25/88
A37	5,000,745	03/19/91	Guest et al.	604	256	11/1/88
A38	5,004,455	04/02/91	Greenwood et al.	604	43	07/17/89
A39	5,030,210	07/09/91	Aichas	604	247	02/03/88
A40	5,084,015	01/28/92	Moriuchi	604	96	05/15/89
A41	5,085,635	02/04/92	Cragg	604	96	03/18/90
A42	5,112,301	05/12/92	Fenton, Jr. et al.	604	30	06/19/91
A43	5,147,318	09/15/92	Hohn	604	174	03/04/91
A44	5,147,332	09/15/92	Moorehead	604	247	05/17/91
A45	5,160,325	11/03/92	Nichols et al.	604	247	01/22/91
A46	5,163,921	11/17/92	Feiring	604	247	10/04/90

Examiner: _____ Date Considered: _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Foreign Patent Documents

Examiner Initial*	Document Number	Publ. Date	Country or Patent Office	Sub Class	Class	Trans-lation
A69	191,154	05/20/86	Europe	A61M	25/00	Yes
A70	328,332	08/16/89	Europe	A61M	25/00	N/A
A71	351,864	01/24/90	Europe	A61M	25/00	Yes
A72	864,336	09/16/98	Europe	A61M	25/00	N/A
A73	2,707,505	01/20/95	France	A61M	25/00	Yes
A74	3,724,978	02/09/89	Germany	A61M	5/14	No
A75	727,959	04/13/55	Great Britain	81(2)	B23	N/A
A76	WO 80/02230	10/30/80	PCT	A61M	5/00	N/A
A77	WO 90/09204	08/23/90	PCT	A61M	25/00	N/A

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

-- none --

Examiner: _____ Date Considered: _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Gregory N. Nordgren
Serial No.: 09/542,503
Filing Date: April 3, 2000
For: CATHETER WITH VALVED DISTAL TIP

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initiated by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1", "A2", etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A", "B", "C", etc. on Office Action Form PTO-1142.

N2408.3775US1449.wpd

Examiner: _____ Date Considered: _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
 Gregory N. Nordgren)
)
 For: CATHETER WITH VALVED DISTAL TIP) Art Unit
) 3763
 Serial No.: 09/542,503)
 Filing Date: April 3, 2000)
 Examiner: Anh Tuan Nguyen)

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for
USSN 09/542,503
filed April 3, 2000
for

CATHETER WITH VALVED DISTAL TIP

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